

PDK NOTES INDEX
1991 to 2004

PDK#Date	Title	Author(s)
471 5/15/91	Soudan 2 Background Calculation	M.A. Thomson
472 5/28/91	Choosing Between Two Alternate Hypotheses	T. Fields
473 7/3/91	Simulation of the passage of muons through the rock overburden into the Soudan 2 cavern	H. Trost
474 6/91	Determination of pion intranuclear rescattering rates in nm-Ne versus nm-D interactions for the atmospheric n flux Published. Phys. Rev. D45 , p. 743-571 (1992)	R. Merenyi W. Mann, <i>et al.</i>
475 7/29/91	Quarterly Activity Report (April - June 1991)	D. Ayres
476 7/18/91	The Observation of Underground Muons From the Direction of Cygnus X-3 during the January 1991 Radio Flare Published. Phys. Lett B269 , p. 220-226 (1991)	M. A. Thomson
477 7/29/91	Decisions of the Argonne Collaboration Meeting, June 23-26, 1991	D. Ayres
478 7/18/91	Veto Shield Ramp & Rate Study	R. H. Milburn
479 8/6/91	Muon/Electron Separation for Atmospheric Neutrino Interactions Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. HE 5.1-5, Vol. 4, p. 626-629. ANL-HEP-CP-91-112	Dave Schmid (for The Soudan 2 Collaboration)
480 8/6/91	Multiple Muon Events in Soudan 2 Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. HE 4.2-4P, Vol. 4, p. 560-562. ANL-HEP-CP-91-114	Sue Kasahara (for The Soudan 2 Collaboration)
481 8/6/91	Combination of Probabilities in Looking for Cosmic Ray Sources Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. OG 10.3.22, Vol. 2, p. 660-663. ANL-HEP-CP-91-113	M. Goodman (for The Soudan 2 Collaboration)
482 8/6/91	A Search for Magnetic Monopoles with the Soudan 2 Detector Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. HE 6.1-2P, Vol. 4, p. 702-705. ANL-HEP-CP-91-115	J. Thron and S. Heilig (for The Soudan 2 Collaboration)
483 8/27/91	Analysis of Track Data from ISIS Test Beam	E. Neis

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
484	8/26/91	Results on Cygnus X-3 at the Dublin	M. A. Thomson
485	8/27/91	Compendium on Nuclear Effects and the nm/ne Ratio in Neutrino - Nucleus Charged Current Reactions	W. A. Mann and W. Leeson
486	8/91	Underground Muons From the Direction of Cygnus X-3 during the January 1991 Radio Flare Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. HE 4.3.9, Vol. 4, p. 603-606. ANL-HEP-CP-91-116	M. A. Thomson
487	8/91	Composition Studies Based on Coincident Air Shower Array and Underground Muon Data Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. OG 6.1.14 Vol. 2, p. 33-36.	K. Ruddick, T.H. Fields, and U. DasGupta
488	8/91	Simultaneous Observation of Extensive Air Showers and Underground Muons at Soudan 2 Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. OG 6.1.24, Vol. 2, p. 65-68. ANL-HEP-CP-91-117	N. Longley
489	9/91	Underground Muons Observed in the Soudan 2 Detector From the Directions of X-ray Sources Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. HE 4.3.8, Vol. 4, p. 599-602. ANL-HEP-CP-91-118	M. L. Marshak
490	8/91	Instrumenting Soudan Rock for P-822	G.J. Alner
491	9/16/91	Comments about a Soudan 2 External Muon Identifier	T. Fields
492	10/4/91	Drift Velocity	J. H. Cobb, E. Peterson, and N. West
493	10/8/91	Quarterly Activity Report (July - September, 1991)	D. S. Ayres
494	11/9/91	Neutrino Beam Geodesy	R. H. Milburn
495	11/15/91	Are Snakes an Endangered Species	J. H. Cobb
496	11/12/91	Decisions of the Tufts Collaboration Meeting November 7-10, 1991	D. S. Ayres
497	1/16/92	Quarterly Activity Report (Oct.-Dec, 1991)	D. S. Ayres
498	1/20/92	Status of a Search for Atmospheric Neutrino Oscillations with the Soudan 2 Detector Published. <i>Proceedings of the Workshop on Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 171-175.	D. M. Roback
499	1/21/92	Release Notes for Release 15 of the NDK Offline	G. Pearce

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
500	1/24/92	Software On the scattering of atmospheric muons in the rock above Soudan 2	Hans-Jochen Trost
501	1/92	The Soudan-2 Experiment <i>Proceedings of the 2nd International Workshop on Theoretical and Phenomenological Aspects of Underground Physics</i> (Toledo, Spain, September 1991) Published. Nucl. Phys. B28A (1992) p. 377-381.	T. Kafka
502	2/3/92	Advantages of a Fine Grain Detector for Long Baseline Neutrino Oscillation Experiments Published. <i>Proceedings of the Workshop on Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 499-509.	W. P. Oliver J. Schneps
503	2/3/92	Possible Upgrades of Soudan 2 Published. <i>Proceedings of the Workshop on Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 387-400.	P. J. Litchfield
504	2/5/92	Construction of $\Delta m^2 - \sin^2 2\theta$ Plots Published. <i>Proceedings of the Workshop on Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 491-497.	Robin Snyder and M. Goodman
505	2/5/92	Report from the Large Area Detector working group and the $R\nu = NC/CC$ working group Published. <i>Proceedings of the Workshop on Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 93-108.	D. Cockerill
506	3/2/92	Update of P822 The Soudan 2 Proposal for a Long Baseline Neutrino Oscillation Experiment Published. <i>Proceedings of the Workshop on Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 243-244.	E.A. Peterson
507	3/4/92	Prospects for Long Baseline Neutrino Oscillation Experiments Published. <i>Proceedings of the Long-Baseline Neutrino Oscillations</i> , ed. M. Goodman (FNAL, 1992) p. 53-89.	M. Goodman
508	8/91	Underground Muons from Direction of Cygnus X-3: 1981 - 1990 Published. <i>Proceedings of the 22nd International Cosmic Ray Conference</i> , Dublin, August 1991. HE 4.3.10, <u>Vol. 4</u> , p. 607-610.	M. Marshak
509	3/9/92	An Estimate of Saturation Effects at Wireplanes	J.H. Cobb
510	4/1/92	Release Notes for Release 16 of NDK Offline Software	G. Pearce
511	4/2/92	Trigger Simulator Software Internals	D. Schmid
512	4/15/92	Quarterly Activity Report January - March 1992	D. S. Ayres
513	4/1/92	Coincidences between extensive air showers and the Soudan 1 underground muon detector for the Collaboration	U. DasGupta
514	5/8/92	Soudan 2 Status Report, May 1992	P. J. Litchfield

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
515	5/11/92	Observations with Underground Muon Bundles in Soudan 2	N. Sundaralingam
516	6//92	The Atmospheric Flux ν_μ / ν_e Anomaly as Manifestation of Proton Decay $p \rightarrow \nu + (e^+ + \nu)$ (Revised) Published. Phys. Lett B291 , 200 (1992)	W. A. Mann, T. Kafka, and W. Leeson
517	5/13/92	Search for AGN ν 's with the Soudan 2 Detector Published. <i>Proceedings of the Workshop on High Energy Neutrino Astrophysics</i> , ed. V. Stenger, et al. (World Scientific, Honolulu, 1992) p. 243-256. ANL-HEP-CP-92-039	M. Goodman
518	6/1/92	Decisions of the Oxford Collaboration Meeting May 19-22, 1992	D. Ayres
519	6/22/92	Filter Scan Rules	M. Goodman, D. Roback, P. Litchfield
520	6/25/92	Summary of the Experimental Plant Facilities and Cavity Parameters for the Soudan Underground Physics Laboratory in Soudan, MN	D. Jankowski
521	6/92	Beyond the Standard Model, Underground Published. <i>Proceedings of the 27th Rencontres de Moriond</i> , ed. J. Tran Thanh Van (Editions Frontiers, 1992) p. 219-230.	P. Litchfield
522	6/92	A Search for Magnetic Monopoles with the Soudan 2 Detector Published. Phys. Rev. D46 , 4822 (1992) ANL-HEP-PR-92-49	J. Thron, <i>et al.</i>
523	7/92	Quarterly Activity Report, April - June 1992	D. S. Ayres
524	8/92	Users Guide to the Tasso Array	T. Mann, K. Karr, M. Pfenning, W. Oliver Y. Gopika, T. Kafka, B. Brook, J. Cobb
525	8/92	The HPW Enhancement of the Active Shield	T. Mann, B. Ewen, W. Oliver & N. Sundaralingam
526	9/92	Neutrino Oscillations: Past, Present and Future Published. Nucl. Phys. B (Proc. Suppl. 31) (1993) p. 307-318.	J. Schneps
527	10/92	Determining the Absolute Orientation of the Soudan 2 Detector	H. Courant and M. Marshak
528	10/92	Status Report on Reconstruction of Single Muon Tracks	M. L. Marshak
529	9/92	Drift Velocity Differences in Soudan 2	W. Barrett
530	9/92	LPI Group Researches in the Field of "Long-Baseline Neutrinos" V.A. Tsarev	
531	9/92	Results from the Soudan 2 Detector Published. <i>Proceedings of the XXVI Int'l Conference on High Energy Physics</i> , ed. J. R. Sanford (AIP Conf. Proc. No. 272 (1993)) p. 1232-1237.	J. Thron

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
532	8/92	Noise Events in the Contained Event Sample of Soudan 2 (Participant in Summer 1992 Student Research Program)	A. Lopez and M. Goodman
533	10/92	Release Notes for Release 17 of the NDK Offline Software	G. Pearce
534	10/92	A case study on the effect of computational precision on GEANT simulations	E. Barasch and H.J. Trost
535	10/92	Decisions of the Tower Collaboration Meeting, October 3-6, 1992	D. Ayres
536	10/92	Underground Muons from Point Sources Published. <i>Proceedings of the XXVI Int'l Conference on High Energy Physics</i> , ed. J. R. Sanford (AIP Conf. Proc. No. 272 (1993)) p. 1238-1241.	M. Marshak (for The Soudan 2 Collaboration)
537	10/27/92	Quarterly Activity Report, July - September 1992	D. Ayres
538	11/2/92	Nucleon Decay Interpretation of the atmospheric flux $\nu\mu/\nu e$ anomaly within SO(10) grand unification	W.A. Mann, A. Everett, and S. Willocq
539	11/16/92	Anomalously Low Atmospheric ν_μ/ν_e Ratio as manifestation of $p \rightarrow e^+ \nu\nu$ Published. <i>Proceedings of DPF'92</i> - Fermilab meeting ed. C. H. Albright, et al. (World Scientific, 1993) p. 1330-1333.	W.A. Mann, T. Kafka, and W. Leeson
540	11/92	Interactions of Atmospheric ν_μ and ν_e observed in Soudan 2 Published. <i>Proceedings of DPF'92</i> - Fermilab meeting ed. C. H. Albright, et al. (World Scientific, 1993) p. 1300-1302.	M. Goodman
541	12/1/92	Ultra High Energy Cosmic Ray Composition from EAS/Underground Muon Studies at Soudan 2 Published. <i>Proceedings of DPF'92</i> - Fermilab meeting, ed. C. H. Albright, et al. (World Scientific, 1993) p. 1373-1375.	N. Longley
542	12/16/92	A Frejus View of the Proton Decay Scenario	W. A. Mann
543	12/15/92	A Soudan 2 Upgrade with Resistive Plate Chambers	DJA Cockerill and P. Litchfield
544	1/13/93	Soudan 2 Experiment Quarterly Status Report October - December 1992	D. Ayres
545	1/11/93	Thoughts about a cavern filler for the 822 proposal	G.J. Alner
546	1/93	Drift Velocity Determination in the Off-Line Software	J. Cobb, P. Shield, and N. West
547	3/93	Proton and Negative Pion Interactions in Soudan 2	T. Fields

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
548	4/93	Soudan 2 Experiment Quarterly Status Report January - March 1993	D. Ayres
549	3/93	The Atmospheric Neutrino Problem: A Critique (Oxford preprint OUNP-93-03, March 1993, 14 pages)	D.H. Perkins
550	4/93	Ultra High Energy Cosmic Ray Composition from Simultaneous Surface and Underground Measurements at Soudan 2 Published. <i>Proceedings of the 23rd Int'l. Conf. on Cosmic Rays,</i> <u>Vol. 2</u> , ed. D.A. Leahy (Calgary, Canada, 1993) p. 120-123. Published. <i>Phys. Rev.</i> D52 , 2760 (1995)	N. Longley, et al.
551	4/93	Preliminary Specifications for the Long-Baseline Neutrino Oscillation Surface Building and Underground Cavity Area at Fermilab	D. Jankowski
552	4/93	Decisions of the Bellingham Collaboration Meeting, April 16-19, 1993	D. Ayres
553	4/93	Status of the Soudan 2 Detector Experiment Published. <i>Proceedings of the 23rd Int'l. Cosmic Ray Conference</i> , ed. D.A. Leahy, (Calgary, Canada, 1993) p. 688. ANL-HEP-CP-93-32	M. Goodman, <i>et al.</i> (The Soudan 2 Collaboration)
554	4/93	Are there atmospheric neutrino oscillations? Published. <i>Proceedings of the 23rd Int'l. Cosmic Ray Conference</i> , ed. D.A. Leahy, (Calgary, Canada, 1993) p. 446. ANL-HEP-CP-93-33	M. Goodman
555	4/93	Contained ν Events Observed in Soudan 2 Published. <i>Proceedings of the 23rd Int'l. Cosmic Ray Conference</i> , ed. D.A. Leahy (Calgary, Canada, 1993) 3 p. Nucl. Phys. (Proc. Suppl. 35) p. 427-429 (1994) ANL-HEP-CP-93-34	M. Goodman
556	7/93	A 7.2 Ktonne Structure for RPCs	G. Alner
557	5/93	Atmospheric and Accelerator Neutrino Physics with RPC's in the Soudan 2 Cavern.	D.J.A. Cockerill
558	5/93	Study of the Statistical Misalignment of a D.C. Muon Excess	G. L. Giller
559	5/93	Some information about 3C273	M. Goodman
560	6/93	Do Neutrinos Oscillate or Protons Decay? First Results from Soudan 2 Published. <i>Proceedings of the 5th Int'l. Workshop on Neutrino Telescopes</i> , ed. Milla Baldo Ceolin, Palazzo Loredan, p. 235-246.	P. J. Litchfield
561	6/93	June 1993 Update to the 822 Proposal for a Long Baseline Neutrino Oscillation Experiment from Fermilab to Soudan	M. Goodman
562	7/93	On the Statistics of Peak Searches	J. Cobb and G. Giller

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
563	7/93	Soudan 2 Experiment Quarterly Status Report April - June 1993	D. Ayres
564	7/93	Atmospheric ν_μ and ν_e Observed in Soudan 2 Submitted to the Proceedings of the Int'l. Symposium on Lepton and Photon Interactions, Aug. 10-15, 1993, Cornell University, 7 pages.	E. Peterson
565	9/93	Surface Detector Electronics	N.P. Longley
566	9/93	Progress in the Search for Neutrinos from Active Galactic Nuclei	Adrian A. Ryerson and Maury Goodman
567	9/93	Release Notes for Release 18 of the NDK Offline Software	G. F. Pearce
568	10/93	Veto Shield Ramp & Rate Study: (1993 Update) (June 1993)	R.H. Milburn
569	10/93	Muons in the Soudan Mine	J. Uretsky
570	10/93	Progress Report and Revised P-822 Proposal for a for a Long Baseline Neutrino Oscillation Experiment from Fermilab to Soudan (12 October 1993)	M. Goodman
571	10/93	Soudan 2 Experiment Quarterly Status Report July - September 1993	D. Ayres
572	10/93	Decisions of the Minneapolis Collaboration Mtg. October 1-5, 1993	D. Ayres
573	10/93	Atmospheric Neutrino Interactions in Soudan 2 In *Marseille 1993, High Energy Physics* 557-559	P. Litchfield
574	11/93	Soudan 2 Status Report and Module Refurbishment Request	P. Litchfield
575	12/93	Soudan 2 Muons in Coincidence with BATSE Bursts Published. <i>Proceedings of the 2nd Workshop on Gamma Ray Bursts</i> , (AIP Conf. Proc. 307 , 1993) p. 475	D. DeMuth, M. Marshak, and G. Wagner
576	1/94	Soudan 2 Experiment Quarterly Status Report October - December 1993	D. Ayres
577	1/94	Contained neutrino events in Soudan 2 Presented at the 3rd Int'l. Workshop on Theory and Phenomenology in Astroparticle and Underground Physics, Lab. Naz. di Gran Sasso, Assergi, Italy, Sept. 19-23, 1993 Published. <i>Nucl. Phys. B35</i> (Proc. Suppl.) p. 427-429 (1994).	T. Kafka
578	1/94	Cosmic ray studies with the Soudan 2 detector Proceedings of the 3rd Int'l. Workshop on Theory and Phenomenology in Astroparticle and Underground Physics,	K. Ruddick

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
579	2/94	Lab. Naz. di Gran Sasso, Assergi, Italy, Sept. 19-23, 1993. Published. Nucl. Phys B35 (Proc. Suppl.) p. 246-249 (1994). A Modular Planar Chamber to House RPCs	G.J. Alner
580	2/94	A New Calculation of Atmospheric Neutrino Fluxes	D.H. Perkins
581	3/94	Update to P822: Proposal for a long-baseline neutrino oscillation experiment from Fermilab to Soudan	M. Goodman
582	3/94	Crack Counters for Soudan II	Allison, Brooks, and Giller
583	3/94	Rate Limitations of Soudan Modules	J. Cobb
584	4/94	Decisions of the Rutherford Collaboration Meeting March 22-25, 1994	D. Ayres
585	4/94	Soudan 2 Experiment Quarterly Status Report January - March 1994	D. Ayres
586	5/94	P822 Response to the PAC's Questions of 11 April 1994	P. Litchfield
587	5/94	Expression of Interest for a Long-Baseline Neutrino Oscillation Experiment from Fermilab to Soudan Using a 16 kT Iron Calorimeter	M. Goodman
588	5/16/94	Expression of Interest for a Long Baseline Neutrino Oscillation Experiment Using a CERN Beam and a Large Magnetic Sampling Calorimeter at Gran Sasso	D. Michael
589	6/94	Penetration of Cosmic Ray Muons into the Earth (REVISED: July 29, 1996)	J. Uretsky
590	7/94	Low Atmospheric ν_μ / ν_e Ratio as Manifestation $p \rightarrow e^+ \nu \bar{\nu}$: An Update Submitted to the DPF APS meeting, Albuquerque, NM, August 2-6, 1994, 12 pages.	W. A. Mann W. Leeson T. Kafka
591	7/29/94	Comments on the Underground Muon Flux: Energy Spectrum, Multiplicity, and Radial Distribution	N. Longley
592	7/29/94	Ultra High Energy Cosmic Ray Composition from Surface Air Shower and Underground Muon Measurements at Soudan 2 ANL-HEP-PR-94-45 Published. Phys. Rev. D52 , p. 2760-2765 (1995)	N. Longley, <i>et al.</i>
593	8/2/94	Soudan 2 Experiment Quarterly Status Report April - June 1994	D. Ayres
594	8/8/94	The Shape of Things to Come	J. Cobb
595	8/3/94	Some Comments on Neutrino Beam Design	T.E. Toohig
596	7/94	Practicle Problems, Questions and Thoughts	G.J. Alner

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
597	8/94	Computation of IMB Stopping/Throughgoing Ratio and Kamiokande Angular Significance	P. Shocklee
598	8/94	Summary of the CEV Meeting	R. Seidlein
599	8/94	Unofficial notes on the Long Baseline Collaboration Meeting at Fermilab (August 12-13, 1994)	D. Ayres
600	9/94	The atmospheric neutrino anomaly in Soudan 2 Published. Nucl. Phys. B38 (Proc. Suppl.) p. 337-342 (1995) ANL-HEP-PR-94-56	M. Goodman (for The Soudan 2 Collaboration)
601	5/94	Neutrino Oscillation Projects at Accelerators in the USA Published. Nucl. Phys. B38 (Proc. Suppl.) p. 220-228 (1995).	J. Schneps (for (The Soudan 2 Collaboration)
602	9/94	Pulse Heights in the Wireplane Region	DJA Cockerill
603	10/94	Soudan 2 Experiment Quarterly Status Report July - September 1994	D. Ayres
604	10/94	Decisions of Argonne Collaboration Meeting	D. Ayres
605	10/94	Neutrino Oscillation Experiments with Atmospheric Neutrinos Published. <i>Proceedings of Snowmass 94 Particle and Nuclear Astrophysics and Cosmology in the Next Millennium</i> , ed. E. Kolb and R. Peccei, (World Scientific, 1995) p. 220-224.	T. Gaisser and M. Goodman
606	10/94	Summary File for the CEV Analysis	R. Seidlein
607	1/95	Threefold Maximal Lepton Mixing and the Solar Atmospheric Neutrino Deficits Phys. Lett B349 , 137-144 (1995)	P. Harrison, D. Perkins and W. Scott
608	1/95	Cosmic Correlations	J. Uretsky
609	1/95	Simulating Air Showers for the Soudan Surface Detectors	K. Ruddick
610	1/19/95	Soudan 2 Experiment Quarterly Status Report October - December 1994	D. Ayres
611	3/95	Crack Counter Prototype	U. Wielgosz
612	4/95	Calculation of the ν and Rock Event Rates	R. Seidlein
613	4/95	Decisions of the Oxford Collaboration Meeting March 21-24, 1995	D. Ayres
614	4/95	Soudan 2 Experiment Quarterly Status Report January - March 1995	D. Ayres
615	4/95	Effects of Misidentification of Events	H. Gallagher and R. Seidlein

PDK#	Date	Title	Author(s)
<i>PDK Notes Updated 6/22/2004</i>			
616	5/95	Estimation of Rock Event Contamination in Soudan Quasi-elastic Samples	W. Leeson, D. Wall, W. Mann, and T. Kafka
617	6/95	Observation of a 3 track, 2 shower event in Soudan 2 with kinematics of $p \rightarrow \mu^+ K_s^0 \pi^0$	T. Mann
618	2/95	Two Neutrino Double-Beta Decay of ^{100}Mo to the First Excited O^+ State in ^{100}Ru Published. Phys. Lett. B345 , p. 408 (1995)	K. Ruddick, <i>et al.</i>
619	7/95	Soudan 2 Experiment Quarterly Status Report April-June 1995	D. Ayres
620	5/95	Information for Laboratory Visitors Soudan Underground Research Site	M. Marshak
621	7/95	Minutes of the July CEV Meeting	R. Seidlein
622	9/95	Search for AGN ν 's with the Soudan 2 Detector In <i>Proceedings of the 24th Int'l. Cosmic Ray Conf.</i> , Rome, Italy, Aug. 28 - Sept. 8, 1995, HE 5.3.18	D.M. DeMuth
623	9/95	Measurement of the Precision and Accuracy of the Event Time Reconstruction	J. Carlson R. Seidlein
624	10/95	Soudan 2 Experiment Quarterly Status Report July-September 1995	D. Ayres
625	10/95	Decisions of the Soudan 2 Collaboration Mtg. at Argonne, October 15-17, 1995	D. Ayres
626	11/95	Neutrino Cross Sections	H. Gallagher/M. Goodman
627	11/95	Minutes of the CEV meeting at Minneapolis	M. Goodman/Seidlein
628	12/95	Soudan 2 Progress Report December 1995	W. W. M. Allison, <i>et al.</i> (The Soudan 2 Collaboration)
629	12/95	Soudan 2 Experiment Quarterly Status Report, October-December 1995	D. Ayres
630	12/95	No Mikheyev-Smirnov-Wolfenstein Effect in Maximal Mixing	P. Harrison/ D. Perkins/W. Scott
631	3/96	CEV Analysis of the 3rd Data Set November 1995	R. Seidlein
632	3/96	Ntuples for CEV Analysis March 13, 1996	R. Seidlein
633	3/96	The Soudan 2 Detector. The Design and Construction of the Tracking Calorimeter Modules	D.J.A. Cockerill (The Soudan 2 Collaboration)

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
634	4/96	Published. Nucl. Inst. Meth. Phys. Res. A376 , 36-48 (1996) ANL-HEP-PR-97-82 Minutes of the CEV Meeting at RAL, Rutherford Labs, United Kingdom, March 18-22, 1996	R. Seidlein
635	4/96	Decisions of the Soudan 2 Collaboration Meeting at Rutherford, March 19-21, 1996	D. Ayres
636	4/96	Soudan 2 Experiment Quarterly Status Report January - March, 1996	D. Ayres
637	3/96	Study of Atmospheric Neutrino Interactions and Search for Nucleon Decay in Soudan 2. March 1996. (TUEHP-96-01) In *Oak Ridge 1996, Future prospects of baryon instability Search*, p. 175-188.	T. Mann, W. Leeson, and D. Wall
638	5/96	New Results from Soudan 2 Submitted to the 7th International Workshop on Neutrino Telescopes, Venice, Italy, February 27-March 1, 1996.	J. Schneps
639	6/96	On the determination of Neutrino Mixing Parameters from Data on Atmospheric Neutrino Interactions in Soudan 2	W. W. M. Allison, A. Stassinakis
640	6/96	The Soudan 2 Detector. The Operation and Performance of the Tracking Calorimeter Modules Published. Nucl. Inst. Meth. Phys. Res. A381 , p. 385-397 (1996) ANL-HEP-PR-97-81	D. J. A. Cockerill (The Soudan 2 Collaboration)
641	7/96	Soudan 2 Experiment Quarterly Status Report April - June 1996	D. S. Ayres
642	7/96	The Neutron Background in the Contained Event Sample, July 17, 1996	Keith Ruddick
643	9/96	A Study of Cosmic Ray Composition in the Knee Region Using Multiple Muon Events in the Soudan 2 Detector Phys. Rev. D55 , p. 5282 (1997).	S. Kasahara (for The Soudan 2 Collaboration)
644	10/96	Background Corrections for the CEV Analysis October 1996	R. Seidlein for CEV Analysis Group
645	11/96	Guidelines for Event Reconstruction November 1996	P. Litchfield and R. Seidlein
646	9/96	Flavor Ratio of Atmospheric Neutrinos Observed by Soudan 2 Submitted to the Proceedings of the Annual Meeting of the APS Division of Particles & Fields, Minneapolis, MN, August 1996.	H. R. Gallagher (for The Soudan 2 Collaboration)
647	10/96	Soudan 2 Experiment Quarterly Status Report, July - September 1996	D. Ayres
648	7/96	Soudan 2 Collaboration Response to Comments in the	M. Marshak and

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
		SAGENAP Report, July 25, 1996	D. Ayres
649	10/96	Decisions of the Soudan 2 Collaboration Meeting at Ely, MN, October 12-14, 1996	D. Ayres
650	10/96	Triggering Problems in SMU Data	D. Ayres
651	11/96	Comment on Systematic Error of Event Selection Procedure in CeV Analysis	J. Thomas
652	7/96	Measuring Procedures for Multi-Tracks Contained Events	W. Leeson
653	12/96	Measurement of the Atmospheric Neutrino Flavor Composition in Soudan 2 Published. Phys. Lett. B391 , p. 491 (1997) (e-Print Archive: hep-ex/9611007)	P. Litchfield (The Soudan 2 Collaboration)
654	10/96	Monte Carlo Background Study	M. Goodman, R. Seidlein
655	12/96	Study of Cosmic Ray Composition in the Knee Region Using Multiple Muon Events in the Soudan 2 Detector Published. Phys.Rev. D55 (9) p. 5282-5294 (1997)	S. M. S. Kasahara, (for the Soudan 2 Collaboration)
656	11/96	The Crack Counter	U. Wielgosz
657	12/96	Minutes of the CEV Meeting, December 1996, University of Minnesota, Minneapolis, MN	R. Seidlein
658	12/96	Contained Event Analysis Jobs	P. Litchfield and M. Goodman
659	1/97	How Good are Depth and Inwardness in Determining Background to Neutrinos in Soudan 2? A Maximum Likelihood Analysis of the ν_μ/ν_e ratios using the first 1.5 kty of Data.	J. Schneps
660	1/97	Soudan 2 Experiment Quarterly Status Report, October-December 1996	D. S. Ayres
661	1/97	Calculating Upper Limits in a Search Experiment	T. Fields
662	2/97	Minutes of the CEV Meeting, February 12, 1997	R. Seidlein
663	2/97	The Neutrino Flavor Composition of Contained Multiprong Events in Soudan 2	W. Leeson, W. A. Mann, D. Wall, T. Kafka, and H. Tom
664	3/97	Measurement of the Atmospheric Neutrino Flavor in the First Four CEV Data Sets of Soudan 2	R. Seidlein
665	3/97	Track Resolution in the Soudan Detector	C. Judson and R. Seidlein
666	3/97	Rock Background Correction for the Multiprong Flavor Ratio (ADDENDUM TO PDK-663)	W. Leeson, T. Mann and D. Wall

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
667	4/97	Soudan 2 Experiment Quarterly Status Report, January-March 1997	D. S. Ayres
668	4/97	Decisions, Action Items from the Soudan Collaboration Meeting at Oxford, March 20-22, 1997	W. A. Mann
669	2/97	Cosmic Correlations - Part II	J. L. Uretsky
670	4/97	Determination of the Statistical Error on the Ratio of Ratios for Atmospheric Neutrinos	J. Schneps
671	5/97	Search for AGN Neutrinos with the Soudan 2 Detector Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 7</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 81. ANL-HEP-CP-97-79	M. Goodman (Soudan 2 Collaboration)
672	5/97	Search for Proton Decay in Soudan 2 Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 7</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 181. ANL-HEP-CP-97-77	M. Goodman (Soudan 2 Collaboration)
673	5/97	The Atmospheric Neutrino Flavor Ratio in Soudan 2 Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 7</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 77. ANL-HEP-CP-97-78	M. Goodman (Soudan 2 Collaboration)
674	6/97	Cosmic Ray Composition in the "Knee" Region Inferred from Underground Multiple Muons at Soudan Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 4</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 77-80.	S. M. Kasahara
675	6/97	Composition of Cosmic Rays from Coincidences Between Atmospheric Cherenkov Light and Underground Muons Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 4</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 73-76.	L. Mualem, P. Border, R. Gran, K. Ruddick, V. Vassiliev & S. Wakely
676	6/97	Chess, a Cerenkov and Electromagnetic Shower Simulator Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 6</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 249-252.	V. Vassiliev, P. Border, R. Gran, L. Mualem, K. Ruddick, and S. Wakely
677	6/97	Simulation of Neutron Production by Deep Underground Muons Published. <i>Proceedings of the 25th International Cosmic</i>	K. Ruddick (The Soudan 2 Collaboration)

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
		<i>Ray Conference, Vol. 6</i> , ed. M. Potgieter, B. Raubenheimer, & D. Vanderwalt (Space Research Unit, Durban, South Africa, 1997) p. 409-412.	
678	7/97	Nucleon Decay Final State Effects from Fermi Motion and from INTRANUKE	W. Leeson
679	7/97	Soudan 2 Experiment Quarterly Status Report April - June, 1997	D. Ayres
680	7/97	The Atmospheric Neutrino Flavor Ratio in Soudan 2 Published. <i>Intersections Between Particle and Nuclear Physics,</i> <i>6th Conference</i> , ed. T.W. Donnelly (AIP 412, New York, 1997) p. 962. ANL-HEP-CP-97-48	M. Goodman
		The Atmospheric Neutrino Flavor Ratio in Soudan 2 Published. <i>Proceedings of the 25th International Cosmic Ray Conference, Vol. 7</i> , ed. M. Potgieter, B. Raubenheimer, and D. Vanderwalt (Space Research Unit, Durban, South Africa, 1977) p. 77.	M. Goodman
681	7/97	Range Measurements in Soudan 2 - Basic Issues	T. Fields
682	7/97	Muon Ranges from $K^+ \rightarrow \nu\mu^+$	T. Fields and W. Leeson
683	7/97	Blasting Vibration Response Assessment of Soudan 2 Nucleon Decay Detector , July 11, 1997	C. Dowding
684	10/97	Estimate of Rock Event Background in the Multiprong Sample, October 5, 1997	W. Leeson
685	10/97	Soudan 2 Experiment Quarterly Status Report, July - September 1997	D. Ayres
686	10/97	Range Measurements in Soudan 2: Some checks, some comments and some opinions, September 1997	G. F. Pearce
687	11/97	Detector Performance Checks for CEV Data	H. R. Gallagher
688	11/97	Ntuples as Mini-DST's and MC Event Re-Weighting	H. R. Gallagher
689	9/97	Measurement of the Atmospheric Neutrino flavor Ratio in Soudan 2	H. R. Gallagher
690	11/97	Multivariate Analysis of Atmospheric Neutrino Data: Part 1 - The Ratio of Ratios	J. Schneps
691	11/97	Atmospheric neutrino interactions in Soudan-2 In <i>Proceedings of the 5th Int'l. Workshop on topics in Astroparticle and Underground Physics</i> Published. Nucl. Phys B. (Proc. Suppl.), ed. A. Bottino, A. DiCredico, and P. Monacelli, p. 70 (1999)	T. Kafka
692	01/98	Soudan 2 Experiment Quarterly Status Report Oct. - Dec. 1997.	D. Ayres

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
693	01/98	Decisions, Action Items from the Soudan Collaboration Meeting at Tufts, Dec. 11-13, 1997	W. A. Mann
694	01/98	Notes about the October 29, 1997 Video Conference on Blasting	T. Fields
695	02/98	Correction to PDK 690, "Multivariate Analysis of Atmospheric neutrino Data: Part 1 - The Ratio of Ratios"	J. Schneps
696	03/98	Protonicity	Peter Litchfield
697	2/19/98	Pre-MINOS Test Blast Vibration Studies at the Soudan 2 Site	V. J. Guarino and D. J. Jankowski
698	2/26/98	Search for the Proton Decay Mode $p \rightarrow \nu K^+$ in Soudan 2 Published. Phys. Lett. B427 , p. 217-224, (1998)	M. C. Goodman W. Leeson, et al. (the Soudan 2 Collaboration)
699	3/16/98	Search for neutrino oscillation effects using neutrino zenith angle and L/E distributions in Soudan 2	Tony Mann
700	4/8/98	Soudan 2 Experiment Quarterly Status Report January - March 1998	Dave Ayres
701	4/10/98	Efficiency of the CEV Trigger	Tacy Joffe-Minor
702	4/24/98	Search for Nucleon Decay into K^0 Modes Using Soudan 2	D. Wall, W.A. Mann T. Kafka, W. Leeson, H. Tom, M. Sanchez
703	4/28/98	Kinematics and Scanning Comments for "Gold" Multiprong Events in Soudan 2	D. Wall, W.A. Mann, M. Sanchez, H. Tom, W. Leeson
704	6/25/98	How to Generate L Distributions for L/E Analyses	Keith Ruddick
705	6/29/98	Vibration Life Test Studies Using US-178 Module at the Soudan 2 Site	D. J. Jankowski
706	7/09/98	Soudan 2 Experiment Quarterly Status Report April - June, 1998	D. Ayres
707	8/01/98	A (Down/Up) and R Analysis of 3.89 kTon-Years of Soudan 2 Neutrino Data	Craig Vieregg
708	8/04/98	The Shower Processor	R. Cotton
709	8/28/98	Decisions, Action Items from the Soudan Collaboration Meeting at ANL, August 17-19, 1998	T. Mann
710	8/31/98	Preliminary Specification of Vibration Controls for Excavation of the MINOS Cavern	C. H. Dowding
711	9/14/98	Isolation of Candidate Nucleon Decay "Mercedez" Events in the CEV Multiprong Sample	W. Leeson and M. Goodman
712	10/13/98	Soudan 2 Experiment Quarterly Status Report	D. Ayres

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
		July - September, 1998	10/02/98
713	10/14/98	Seasonal Effects at Soudan 2	J. Uretsky 08/98
714	12/14/98	Systematic Effects on L/E Fits	David Petyt
715	12/15/98	Atmospheric Neutrino Studies in Soudan 2 [1]	Earl Peterson, (for The Soudan 2 Collaboration)
716	1/06/99	Soudan 2 experiment quarterly status report, October-December 1998	D. S. Ayres
717	1/99	The Atmospheric Neutrino Flavor Ratio from a 3.9 Fiducial Kiloton-Year Exposure of Soudan 2 Published. Physics Letters B449 , 137-144 (1999) ANL-HEP-PR-99-2	D. S. Ayres, T. H. Fields, M.C. Goodman T. Joffe-Minor, W. Leeson, L. E. Price, R. Seidlein, J. L. Thron (ANL) and the Soudan 2 Collaboration
718	2/99	"Universal" Viewpoints from Some Very "Small" Perspectives	Christine M. Sloat, P.E.
719	3/12/99	Atmospheric Neutrinos in Soudan 2 Proceedings of the Particles and Fields (DPF99) Conference, published electronically at: http://www.dpf99.library.ucla.edu/ http://www.dpf99.library.ucla.edu/session2/goodman0208.html ANL-HEP-CP-99-08	M. C. Goodman (for The Soudan 2 Collaboration)
720	3/99	Seasonal Variations of the Trigger Rate and the Muon rate in Soudan 2, NuMI-L-492	W. L. Barrett, M. C. Goodman, D. Jankowski, W. Miller
721	3/99	The Hi-Res Samples of CVC and VOA Events	T. Kafka and W. A. Mann
722	3/99	Observations on Atmospheric Neutrinos with Soudan 2 Decisions, Action Items from the Soudan Collaboration	A. Mann, T. Kafka, and M. Sanchez
723	4/99	Meeting at Oxford University, March 25-27, 1999"	W.A. Mann
724	4/99	Soudan 2 Experiment Quarterly Status Report, January - March, 1999	D. S. Ayres
725	5/99	Shower Energy Calibration Issues, May 14, 1999	Hugh R. Gallagher
726	5/99	*Search for Neutrinos from Active Galactic Nuclei in Soudan 2 Proceedings of the <i>XXVI International Cosmic Ray Conference</i> , Salt lake City, Utah, August 17-25, 1999. In *Salt Lake City 1999, Cosmic Ray, Vol. 2* , pp. 209-212. ANL-HEP-CP-99-55. *See Erratum: PDK-739.	D.M. DeMuth (for The Soudan 2 Collaboration)
727	5/99	Nucleon Decay in Soudan 2 Proceedings of the <i>XXVI International Cosmic Ray Conference</i> , Salt lake City, Utah, August 17-25, 1999. In *Salt Lake City 1999, Cosmic Ray, Vol. 2* , p. 364 ANL-HEP-CP-99-56	M.C. Goodman (for The Soudan 2 Collaboration)
728	5/99	Neutrino Induced Muons in Soudan 2 Proceedings of the <i>XXVI International Cosmic Ray</i>	D.M. DeMuth (for The Soudan 2 Collaboration)

PDK#	Date	Title	Author(s)
<i>PDK Notes Updated 6/22/2004</i>			
		<i>Conference, Salt lake City, Utah, August 17-25, 1999.</i> In *Salt Lake City 1999, Cosmic Ray, Vol. <u>2*</u> , p. 206-208. ANL-HEP-CP-99-57	
729	5/99	Observation of the Moon Shadow in Deep Underground Muon Flux <i>Proceedings of the XXVI International Cosmic Ray Conference, Salt lake City, Utah, August 17-25, 1999.</i> In *Salt Lake City 1999, Cosmic Ray, Vol. <u>7*</u> , p. 230-233. ANL-HEP-CP-99-58	J. H. Cobb, <i>et al.</i> (The Soudan 2 Collaboration)
730	5/99	The Observation of a Shadow of the Moon in the Underground Muon Flux in the Soudan 2 Detector Published. Phys. Rev. D61 , 092002 (2000) ANL-HEP-PR-99-59	J.H. Cobb, <i>et al.</i> (The Soudan 2 Collaboration)
731	5/99	Cosmic Ray Sun Shadow in Soudan 2 Underground Muon Flux <i>Proceedings of the XXVI International Cosmic Ray Conference, Salt lake City, Utah, August 17-25, 1999.</i> In *Salt Lake City 1999, Cosmic Ray, Vol. <u>7*</u> , p. 226-229. ANL-HEP-CP-99-60 (e-Print Archive: hep-ex/9905043)	W.W.M. Allison, <i>et al.</i> (The Soudan 2 Collaboration)
732	5/99	Cygnus X-3 Revisited: 10 Years of Muon and Radio Observations <i>Proceedings of the XXVI International Cosmic Ray Conference, Salt lake City, Utah, August 17-25, 1999.</i> In *Salt Lake City 1999, Cosmic Ray, Vol. <u>2*</u> , p. 1-4. ANL-HEP-CP-99-61	W.W.M. Allison, <i>et al.</i> (The Soudan 2 Collaboration)
733	5/99	Seasonal Variations in Soudan 2 <i>Proceedings of the XXVI International Cosmic Ray Conference, Salt lake City, Utah, August 17-25, 1999.</i> In *Salt Lake City 1999, Cosmic Ray, Vol. <u>2*</u> , p. 324-327. ANL-HEP-CP-99-62	M.C. Goodman (for The Soudan 2 Collaboration)
734	5/99	Atmospheric Neutrinos in Soudan 2 <i>Proceedings of the XXVI International Cosmic Ray Conference, Salt lake City, Utah, August 17-25, 1999.</i> In *Salt Lake City 1999, Cosmic Ray, Vol. <u>2*</u> , p. 151-154. ANL-HEP-CP-99-63	M.C. Goodman (for The Soudan 2 Collaboration)
735	7/20/99	Soudan 2 Experiment Quarterly Status Report April-June 1999	D. Ayres
736	8/26/99	Neutrino Oscillation Parameters from a Chi-Square Analysis of Soudan 2 L/E Distributions and R for High Resolution Contained Events	M. Sanchez, J. Schneps, T. Kafka, and T. Mann
737	9/10/99	Investigation of WIMP Signatures in Neutrino Spectra Using Data from the Soudan 2 Experiment	Araminta Huitson and H. Gallagher
738	10/5/99	Soudan 2 Experiment Quarterly Status Report, July - September, 1999	D. Ayres
739	11/2/99	* Erratum: A Search for Neutrinos from Active Galactic Nuclei *(Erratum to PDK-726)	D. DeMuth

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
740	11/22/99	Decisions, action items from the Soudan Collaboration Meeting at Rutherford-Appleton Laboratory, November 4-6, 1999.	W.A. Mann
741	11/99	Atmospheric neutrinos and the oscillations bonanza Plenary talk at the XIX Int. Symposium on Lepton and Photon Interactions at High Energies, Stanford Univ., Stanford, CA, August 9-14,1999.	W. A. Mann
742	12/14/99	Recent atmospheric neutrino results from Soudan 2 Presented at TAUP'99, College de France, September 6-10, 1999. Published. Nucl. Phys. B87 Proc. Supp., 186 (2000). ANL-HEP-CP-99-125	T. Kafka (for The Soudan 2 Collaboration)
743	1/05/00	Search for nucleon decay into lepton + K ⁰ final states using Soudan 2 Published. Phys. Rev. D61 , p. 072004 (2000) ANL-HEP-PR-99-123	D. Wall, <i>et al.</i>
744	1/05/00	Search for Nucleon Decay with Final States $\ell^+ \eta^0, \bar{\nu} \eta^0$, and $\bar{\nu} \pi^{+,0}$ Using Soudan 2 Published. Phys. Rev. D62 , p. 092003 (2000) ANL-HEP-PR-99-124	D. Wall, <i>et al.</i> (The Soudan 2 Collaboration)
745	1/10/00	Soudan 2 Experiment Quarterly Status Report October - December, 1999.	D. Ayres
746	2/01/00	Feldman-Cousins analysis of Soudan 2 high resolution data to find confidence level contours"	M. Sanchez, <i>et al.</i>
747	1/28/00	Soudan 2 Progress Report, January 2000	W.W.M. Allison, <i>et al.</i> (The Soudan 2 Collaboration)
748	4/21/00	Decisions, Action Items from the Soudan Collaboration Meeting at the University of Minnesota, April 8-9, 2000	W.A. Mann
749	4/18/00	Soudan 2 Experiment Quarterly Status Report, January - March, 2000	D. Ayres
750	5/30/00	Can a Neutron Oscillate into an Anti-Neutron ?	J. Chung and W.A. Mann
751	7/12/00	Soudan 2 Experiment Quarterly Status Report April - June 2000	D. Ayres
752	7/17/00	New results on atmospheric neutrinos from Soudan 2	W. Anthony Mann, for The Soudan 2 Collaboration
753	7/28/00	Three Flavor ν Oscillations with Two Δm^2 Mixing	Kartik Lamba
754	8/09/00	Muon Momentum Estimation in Soudan 2/Theseus from Measurements of the Sagitta Tracks	John Cobb
755	8/15/00	Depth fits for high and low resolution events, and the ratio of ratios, old and new	Jack Schneps
756	10/02/00	"Decisions, Action Items from the Soudan Collaboration	W.A. Mann

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
		Meeting at Tufts University, September 19-20, 2000"	
757	10/11/00	Soudan 2 Experiment Quarterly Status Report, July - September, 2000	D.S. Ayres
758	11/21/00	Muon Momentum from Multiple Scattering Measurements in THESEUS	J. Schneps & A.B. Sousa
759	12/00/00	Study of $\nu_\mu \rightarrow \nu_e$ Detection in THESEUS Using Scanning and Soudan-Standard Event Reconstruction	J. Chung, T. Kafka, W.A. Mann, & W. Oliver
760	1/09/01	Soudan 2 Experiment Quarterly Status Report, October - December 2000	D. Ayres
761	1/17/01	Generator for n_bar Nucleus Annihilation Events	J. Chung, T. Kafka, W.A. Mann
762	3/29/01	Decisions, Action Items from the Soudan Collaboration Meeting at Fermilab and Argonne, March 19-21, 2001	W.A. Mann
763	4/17/01	Soudan 2 Quarterly Status Report, January - March 2001	D. Ayres
764	5/23/01	Calibration of Soudan 2 Shower Energies	J. Schneps
765	5/25/01	Status of the Neutron Oscillation Search Using Soudan 2	J. Chung, W.A. Mann & T. Kafka
766	6/01/01	Search for Nucleon Decay and $n - \bar{n}$ Oscillation in Soudan 2 Submitted to the Proceedings of the 27 th Int'l. Cosmic Ray Conference (ICRC 2001), Hamburg, Germany, Aug. 7-15, 2001 ANL-HEP-CP-01-037	J. Chung, T. Fields, M. Goodman (for the Soudan 2 Collaboration)
767	6/01/01	Atmospheric Neutrinos in Soudan 2 Submitted to the Proceedings of the 27 th Int'l. Cosmic Ray Conference (ICRC 2001), Hamburg, Germany, Aug. 7-15, 2001 ANL-HEP-CP-01-038	M. Goodman (for The Soudan 2 Collaboration)
768	6/01/01	Horizontal Muons in Soudan 2 and Search for AGN Neutrinos Submitted to the Proceedings of the 27 th Int'l. Cosmic Ray Conference (ICRC 2001), Hamburg, Germany, Aug. 7-15, 2001 ANL-HEP-CP-01-039	D. Demuth, M. Goodman (for The Soudan 2 Collaboration)
769	6/26/01	Impact of Tracking Cutoffs on Electromagnetic Shower Simulations in Soudan 2	B. Speakman, H. Gallagher
770	7/01/01	Soudan 2 Quarterly Status Report, April - June 2001	D. Ayres
771	8/17/01	Extraction and analysis of Partially Contained Events in Soudan 2.	D. Petyt
772	8/17/01	A Feldman – Cousins Oscillation analysis of Soudan 2 data	P. Litchfield
773	9/7/01	A Smooth PDF for L/E Likelihood Fits	J. H. Cobb
774	9/18/01	A Method for Correcting MC Shower Energies	H. Gallagher
775	9/25/01	A Short Study of a Bin-free PDF for L/E Fitting	J. H. Cobb

PDK#	Date	Title	Author(s)
<u>PDK Notes Updated 6/22/2004</u>			
776	10/3/01	Soudan 2 Experiment Quarterly Status Report, July-Sept. 2001	D. Ayres
777	10/30/01	CFV Background Setting	P. Litchfield
778	10/30/01	Decisions, Action Items from Soudan Collaboration Meeting at Fermilab and Argonne	W. A. Mann
779	11/2001	New parameterizations of atmospheric neutrino production heights	K. Ruddick
780	02/2002	How to use the ROOT version of the Soudan 2 mini DST	A. Sousa
781	02/13/02	Nuclear Binding Energy and Recoil Identification in Quasi-Elastic Neutrino Scattering	H. Gallagher
782	3/4/02	Background Fitting the Confusion Matrix, and the Ratios in Sodan 2	J. Schneps
783	3/18/02	Identification and Reconstruction of Neutron Recoils in Contained Events	H. Gallagher
784	3/18/02	The Use of Production Heights Distrbutions in Atmospheric Neutrino Anyses	H. Gallagher
785	3/18/02	Nuclear Binding Energy and Recoil Identification in Quasi-Elastic Neutrino Scattering.	H. Gallagher
786	3/26/92	Decisions, Action Items from the Soudan Collaboration Meeting at Rutherford Lab., March 21-31, 2002	T. Mann
787	3/28/02	Fitting the Sun Shawdow	J. Cobb
788	5/20/02	Search for Beutron-Antineuron Oscillation Using Multiprong Events in Soudan 2 (CANCELLED PER Maury same as PDK-797)	J. Ching et al
789	6/18/02	Comments on using normalization to the Bartol absolute rate in the F-C fit to Soudan 2 neutrino data	J. Schneps
790	7/29/02	Partially Contained Events of Non- ν_μ Flavor	R.T. Thompson & W.A. Mann
791	7/29/02	Survey of Charged Current lepton pion (pion) N Neutrino interactions in Soudan 2	W. A. Mann & M. A. Said
792	7/31/02	Upward, Range-to-Stopping Muon Data Events in Soudan 2	A. Sousa, T. Kafka, W. Mann & R.T. Thompson
793	8/10/02	The Forgotten Modes of Nucleon Decay Thompson	W. A. Mann, T. Kafka, & R. T.
794	8/19/02	Search for Charged Current Nu-tau Interactions in Soudan	W. A. Mann, T. Kafka, R. T. Thompson & M. Sanchez
795	8/20/02	The FINAL Confusion Matrix, Ratio of Ratios and Neutral Currents from Soudan 2	M. Sanchez, J. Schneps & A. Sousa

PDK#	Date	Title	Author(s)
<i>PDK Notes Updated 6/22/2004</i>			
796	9/4/02	Other Atmospheric Neutrino Experiments	M. Goodman
797	9/10/02	Search for Neutron-Antineutron Oscillations Using Multiprong Events in Soudan 2	D. S. Ayres, M. Goodman T. Joffe Minor, et al.
798	11/7/02	Shadow Fitting	J. H. Cobb
799	11/7/02	Calibration of Soudan 2 Momenta	P. Litchfield
800	12/11/02	Decisions Actions from the Soudan Collaboration Meeting at Tufts University, December 6-7, 2002	W. A. Mann
801	1/1/2003	Oscillation Investigation in Soudan 2: Atmospheric $\nu_\mu \rightarrow \nu_\tau$ and $n \rightarrow \bar{n}$ in iron	A. Mann. M. Sanchez, T. Kafka
802	2/28/03	Horizontal Muons & a Search for AGN Neutrinos in Soudan 2	D. Ayres, J.Cobb, T. Fields, M. Goodman T. Joffe-Minor, J. Thron et al.
803	5/27/03	Monte Carlo Simulation of Neutrino induced, Upward-stopping Track Events in Soudan 2	T. Kafka, H.R. Gallagher, W. A. Mann, J. K. Nelson
804	6/3/03	The Ratio of Ratio, ν_μ Disappearance and Normalization in Soudan 2	J. Schneps
805	6/18/03	Decisions, Actions from Soudan 2 After Hours Sessions during MINOS at FNAL, June 12 th and 15 th , 2003	W. A. Mann
806	7/15/03	The Ratio of Ratios, ν_μ Disappearance and Normalization in Soudan 2: II	M. Sanchez and J. Schneps
807	7/26/03	How to include Neutrino Oscillations of Solar Mass Scale in the Soudan 2 likelihood fit	W. A. Mann, M. Roberto
808	7/29/03	Observation of Atmospheric Neutrino Oscillations in Soudan Neutrino Oscillations in Soudan 2	M. Sanchez, D.S. Ayres, T. Fields M. Goodman, T. Joffe-Minor, J.L. Thron
809	12/3/03	Upgoing Stopping Muons in Soudan-2	T. Kafka
810	3/17/04	Neutrino Interactions and Background in Soudan-2 Upward-Stopping and In-DownTrack Events	T. Kafka, W.A. Mann, H.R. Gallagher, J.K. Nelson
811	4/5/04	Notes, Action Items from the Soudan Jam Session at Fermilab, March 25 th , 2004 (8:00 to 10:00 pm)	W.A. Mann