

News

Meetings

- In order to make faster and lighter General Meetings, we are organised separated and more focused bi-weekly meetings:
 - Simulation: Monday 14:30
 - Drawings and Integration: Tuesday 9:00
 - DAQ: Wednesday 16:00
 - Analysis and Reconstruction: Thursday 11:00
 - General Meeting: Thursday 15:30
 - Cocktail party: Friday 18:00

Papers

PREPARED FOR SUBMISSION TO JINST

First evidence of luminescence in a He/CF₄ gas mixture induced by non-ionizing electrons

PUBLISHED

1 Identification of nuclear recoils in a gas TPC with optical readout

3 E Baracchini^{1,2}, L Benussi³, S Bianco³, C Capoccia³, M
4 Caponero^{3,4}, G Cavoto^{5,6}, A Cortez^{1,2}, I A. Costa⁷, E Di
5 Marco⁵, G D'Imperio⁵, G Dho^{1,2}, F Iacoangeli⁵, G Maccarrone³,
6 M Marafini^{5,8}, G Mazzitelli³, A Messina^{5,6}, R A. Nobrega⁷, A
7 Orlandi³, E Paoletti³, L Passamonti³, F Petrucci^{9,10}, D Piccolo³,
8 D Pierluigi³, D Pinci⁵, F Renga⁵, F Rosatelli³, A Russo³, G
9 Saviano^{3,11} and S Tomassini³

10 ¹Gran Sasso Science Institute, L'Aquila, I-67100, Italy

A GEM-based Optically Readout Time Projection Chamber for charged particle tracking

V. C. Antochi,^{1,a)} G. Cavoto,^{1,b)} I. A. Costa,^{1,c)} E. Di Marco,¹ G. D'Imperio,¹ F. Iacoangeli,¹ M. Marafini,^{1,d)}
A. Messina,^{1,b)} D. Pinci,¹ F. Renga,¹ C. Voena,¹ E. Baracchini,² A. Cortez,² G. Dho,^{2,e)} L. Benussi,³ S. Bianco,³
C. Capoccia,³ M. Caponero,^{3,f)} G. Maccarrone,³ G. Mazzitelli,³ A. Orlandi,³ E. Paoletti,³ L. Passamonti,³

ANSWERING TO REVIEWERS

PREPARED FOR SUBMISSION TO JINST

A density-based clustering algorithm for the CYGNO data analysis

PREPARED FOR SUBMISSION TO JINST

Stability and detection performance of a GEM-based Optical Readout TPC with He-based gas mixtures

PUBLISHING

Saturation on GEM-3

Karolin...

The CYGNO Experiment

E. Baracchini,^{a,b} R. Bedogni,^c F. Bellini,^{e,f} L. Benussi,^c S. Bianco,^c C. Capoccia,^c M. Caponero,^{c,d} G. Cavoto,^{e,f} A. Cortez,^{a,b} I. A. Costa,^g E. Di Marco,^e G. D'Imperio,^e G. Dho,^{a,b} F. Iacoangeli,^e G. Maccarrone,^c M. Marafini,^{e,h} G. Mazzitelli,^c A. Messina,^{e,f} R. A. Nobrega,^g A. Orlandi,^c E. Paoletti,^c L. Passamonti,^c F. Petrucci,^{i,j} D. Piccolo,^c D. Pierluigi,^c D. Pinci,^{a,*} F. Renga,^e F. Rosatelli,^c A. Russo,^c G. Saviano,^{c,k} and S. Tomassini^c