

**CYGNUS-TPC kick-off  
meeting: a mini-workshop on  
directional Dark Matter  
searches and coherent  
neutrino scattering**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Phenomenological Dark Matter review

**Presenter:** TBA

Contribution ID: 3

Type: **not specified**

## Experimental Dark Matter review

*Thursday, 7 April 2016 09:15 (40 minutes)*

**Presenter:** Dr MESSINA, Marcello (Columbia University)

**Session Classification:** Dark Matter review

Contribution ID: 4

Type: **not specified**

## Coherent neutrino scattering review

**Presenter:** TBA

Contribution ID: 5

Type: **not specified**

# Coherent neutrino scattering from the Sun and Supernovae

*Thursday, 7 April 2016 09:55 (30 minutes)*

**Presenter:** BIASSONI, Matteo (Università degli Studi di Milano-Bicocca, INFN Sezione di Milano-Bicocca)

**Session Classification:** Coherent Neutrino Scattering review

Contribution ID: 6

Type: **not specified**

## **Time Projection Chambers with Micro Pattern Gaseous Detectors**

*Thursday, 7 April 2016 10:55 (40 minutes)*

**Presenter:** KAMINSKI, Jochen (University of Bonn)

**Session Classification:** Micro Pattern Gas Detector

Contribution ID: 7

Type: **not specified**

## **High pressure operation of Micro Pattern Gas Detectors**

*Thursday, 7 April 2016 11:35 (40 minutes)*

**Presenter:** Dr GONZALEZ-DIAZ, Diego (CERN)

**Session Classification:** Micro Pattern Gas Detector

Contribution ID: 8

Type: **not specified**

## **A solid technique to investigate directionality: the ADAMO project**

*Thursday, 7 April 2016 12:35 (25 minutes)*

**Primary author:** CARACCIOLO, Vincenzo (LNGS)

**Presenter:** CARACCIOLO, Vincenzo (LNGS)

**Session Classification:** Directional solid and liquid detectors for very rare event detection



Contribution ID: 9

Type: **not specified**

## **Columnar recombination: the RED project**

*Thursday, 7 April 2016 15:20 (25 minutes)*

**Presenter:** FIORILLO, Giuliana (NA)

**Session Classification:** Directional solid and liquid detectors for very rare event detection

Contribution ID: **10**

Type: **not specified**

## **Carbon Nanotubes: the DCant project**

*Thursday, 7 April 2016 14:30 (25 minutes)*

**Presenter:** CAVOTO, Gianluca (ROMA1)

**Session Classification:** Directional solid and liquid detectors for very rare event detection

Contribution ID: **11**

Type: **not specified**

## **Emulsions: the NEWS project**

*Thursday, 7 April 2016 14:55 (25 minutes)*

**Presenter:** DE LELLIS, Giovanni (NA)

**Session Classification:** Directional solid and liquid detectors for very rare event detection

Contribution ID: 12

Type: **not specified**

## **Presentation of the CYGNUS-TPC project**

*Thursday, 7 April 2016 15:45 (25 minutes)*

**Presenter:** Prof. SPOONER, Neil (University of Sheffield)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 13

Type: **not specified**

## Status of the MIMAC project

*Thursday, 7 April 2016 17:30 (15 minutes)*

**Presenter:** Dr SANTOS, Daniel (Laboratoire de Physique Subatomique et de Cosmologie (CNRS/IN2P3-France))

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 14

Type: **not specified**

## Status of the DMTPC project

*Thursday, 7 April 2016 17:45 (15 minutes)*

**Presenter:** Prof. MONROE, Jocelyn (Royal Holloway, University of London)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 15

Type: **not specified**

## Status of the NEWAGE project

*Thursday, 7 April 2016 18:00 (15 minutes)*

**Presenter:** Prof. MIUCHI, Kentaro (Kobe University)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 16

Type: **not specified**

## Coherent Neutrino Scattering discussion

*Thursday, 7 April 2016 10:25 (15 minutes)*

**Presenter:** BENHAR NOCCIOLI, Omar (ROMA1)

**Session Classification:** Coherent Neutrino Scattering review



Contribution ID: 17

Type: **not specified**

## Status of the DRIFT project

*Thursday, 7 April 2016 18:15 (15 minutes)*

**Presenter:** Prof. SPOONER, Neil (University of Sheffield)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: **18**

Type: **not specified**

## **Status of the D3 project**

*Thursday, 7 April 2016 18:30 (15 minutes)*

**Presenter:** Prof. VAHSEN, Sven (University of Hawaii)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 19

Type: **not specified**

## Status of making ZnWO<sub>4</sub> crystals

*Thursday, 7 April 2016 13:00 (15 minutes)*

**Presenter:** Prof. SEKIYA, Hiroyuki (Kamioka Obs., ICRR, The Univ. of Tokyo)

**Session Classification:** Directional solid and liquid detectors for very rare event detection

Contribution ID: **20**

Type: **not specified**

## **Status of the NITEC project**

*Thursday, 7 April 2016 18:45 (15 minutes)*

**Presenter:** BARACCHINI, Elisabetta (LNF)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 21

Type: **not specified**

## **First studies on SF6 gas mixtures for TPC**

*Thursday, 7 April 2016 16:10 (20 minutes)*

**Presenter:** Prof. LOOMBA, Dinesh (University of New Mexico)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 22

Type: **not specified**

## **One dimensional head-tail determination with GEM**

*Thursday, 7 April 2016 16:30 (20 minutes)*

**Presenter:** Prof. SPOONER, Neil (University of Sheffield)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 23

Type: **not specified**

# Novel readout design for high resolution tracking TPC

*Thursday, 7 April 2016 16:50 (20 minutes)*

**Presenter:** Prof. LOOMBA, Dinesh (University of New Mexico)

**Session Classification:** Directional gaseous TPC detectors for very rare event detection

Contribution ID: 24

Type: **not specified**

## Welcome

*Thursday, 7 April 2016 09:00 (2 minutes)*

**Presenter:** BARACCHINI, Elisabetta (LNF)

**Session Classification:** Welcome