

SNvD 2023@LNGS

International conference on Supernova
Neutrino Detection

May 29th to June 1st, 2023

Gran Sasso National Laboratory
Assergi, L'Aquila [Italy]

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CREDITS: ESA/Hubble & NASA

International scientific committee

Walter M. Bonivento – INFN Cagliari (chair)

Carlo Bucci – INFN LNGS (co-chair)

Marta Colomer Molla – Université Libre de Bruxelles

Tobias Fischer – University of Wrocław

Alec Habig – University of Minnesota Duluth

Aldo Ianni – INFN LNGS

Kate Scholberg – Duke University

Rafael Lang – Purdue University

Alessandro Mirizzi – University of Bari and INFN Bari

Kate Scholberg – Duke University

Irene Tamborra – Niels Bohr Institute Copenhagen

Mark Vagins – Tokyo University, IPMU and UC Irvine

Francesco Vissani – INFN LNGS

Local organizing committee

Carlo Bucci – INFN LNGS (chair)

Walter Bonivento – INFN Cagliari (co-chair)

Roberta Antolini – INFN LNGS

Fausto Chiarizia – INFN LNGS

Aldo Ianni – INFN LNGS

Francesco Vissani – INFN LNGS

**Thanks a lot for
the hard work!**

Lessons from 1987A

Miceli

Supernova neutrino emission theory and simulations, new physics sensitivity, multi-messenger

Burrows, Dos Santos, Gallo Rosso, Janka, Kneller, Kotake, Pagliaroli, Pompa, Sen

Legacy from past experiments

LVD, KamLAND, Borexino

Sensitivity of running, in-construction experiments and new ideas

DarkSide-20k, Xenon-nT/XLZD, Super-Kamiokande, JUNO, SNO+, DUNE, LZ, Hyper-Kamiokande, HALO, CYGNO, RES-NOVA, KM3NeT, IceCube, CUORE/CUPID, LEGEND

Cross-section measurements

COHERENT

Triangulation, pointing, triggers, follow-up

Colomer Molla, Coleiro, Migenda, Scholberg, Tseng

Diffuse Supernova background

Horiuchi

Politics/comittees

SNOWMASS, round table

Art

Magnani

Public talk

Bell-Burnell

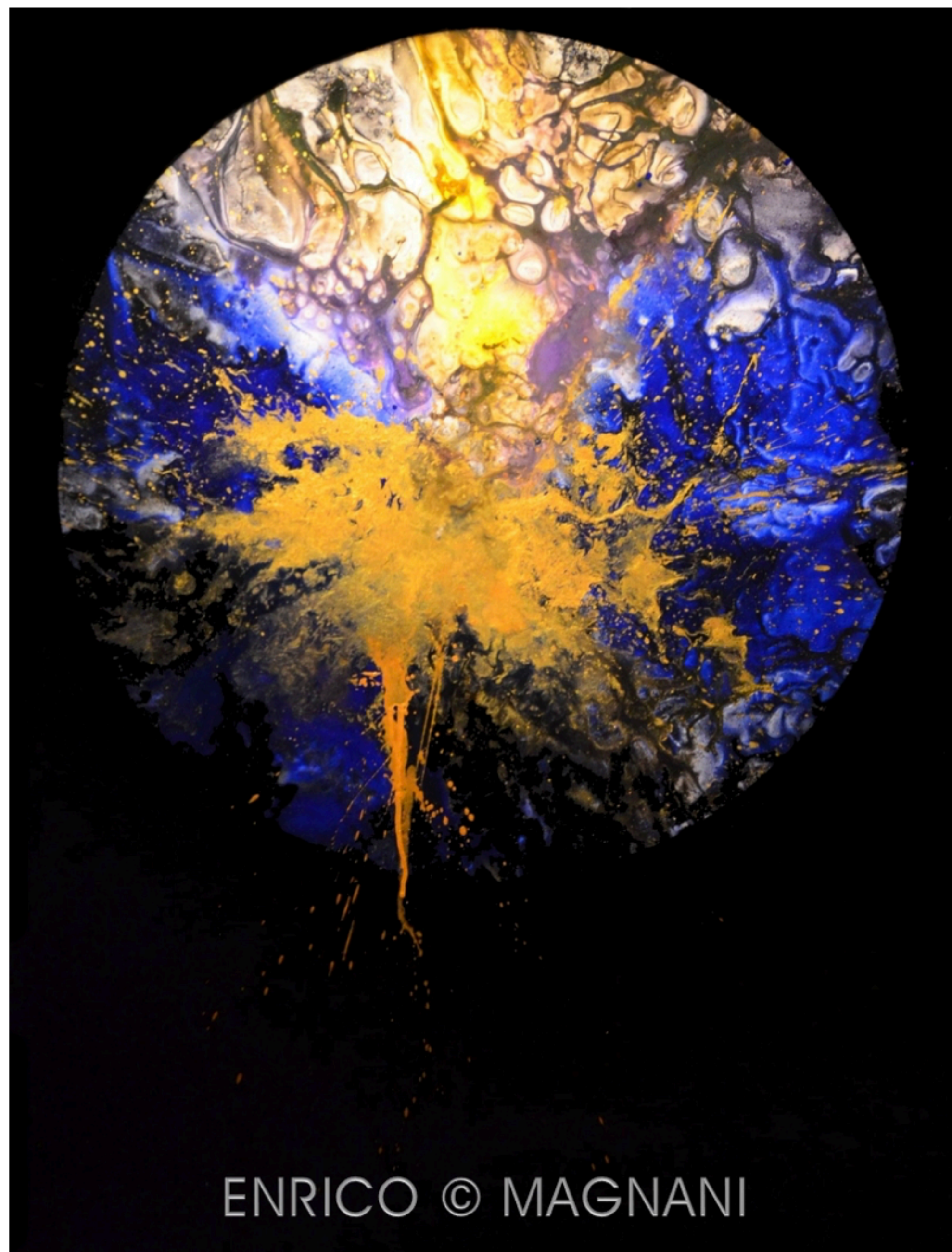


QUINTESSENCE

an Art & Science Permanent Installation
at LNGS - Gran Sasso National Laboratory

*to develop and promote the interaction between the
world of art and the world of science for a new
vision and understanding of our universe*

ENRICO
MAGNANI



Supernova No.1 - 2017

Acrylic and enamel on multilayer paper-aluminium panel

100 x 76 cm | 39,4 x 29,9 in

WELCOME!

On May 19th, probably in honour of this conference, a new Type II-SN kindly became visible in the sky! It was detected by an amateur astrophotographer in Japan!
It is located in the Pinwheel (M101) galaxy, 21 M L.Y. away, dubbed 2023ixf



A very good sign...



National Scientific Committee 2 (CSN2)



CSN2 President

 Published: Tuesday, 08 September 2020 12:12 | [Print](#) | [Email](#)

Dr. Oliviero Cremonesi

I.N.F.N. Milano Bicocca Section

Excuses himself for the absence but sends his best wishes and support

**The default for the presentation
is pdf upload on indico**

**If somebody has special
requests (use ppt with videos,
audio etc.)**

**Please contact well in advance
the service people (Luigi)**

**I declare the
conference
officially open**