



From Supernovae, to Hypernovae to Binary Driven Hypernovae

<http://astro.sjtu.edu.cn/English/NewsDetail.aspx?type=news&ID=232>

Speaker: Prof. Ruffini Remo (Director ICRANet)

Time: 10:00-11:00 am

Date: 7 November, 2016 (Monday)

Venue: CAA Lecture Hall (2nd floor, Woxiangwojia

Building, Jianchuan Rd, Minhang District, Shanghai)

Host: Yipeng Jing



ABSTRACT

Our concept of Induced Gravitational Collapse (IGC paradigm) from an incipient Supernova into a companion Neutron Star, has unlocked the understanding of seven different families of GRBs, indicating the path for the formation of Black Holes in the Universe. An authentic laboratory of relativistic astrophysics has been unveiled in which new paradigms have been introduced in order to advance in the knowledge of the most energetic, distant and complex systems of our Universe. A novel paradigm of the Cosmic Matrix has been introduced which parallel, in a relativistic cosmic level, the concepts of an S Matrix introduced by Feynmann, Wheeler and Heisenberg in the quantum world of microphysics. Here the "in" states are represented by a Neutron Star and a Supernova, the "out" states, generated, in less than a second, by a new Neutron Star and a Black Hole. This novel field of research needs very powerful technological observations in all wave length ranging from Radio, to Optical, to X and Gamma radiation all the way to ultra-high-energy cosmic rays.

ABOUT THE SPEAKER

Prof. Ruffini Remo is the Director of ICRANet, International Centre for Relativistic Astrophysics Network. Moreover, he is the President of the International Centre for Relativistic Astrophysics (ICRA); Prof. Ruffini Remo initiated the International Relativistic Astrophysics PhD (IRAP PhD), a common graduate school program of several universities and research institutes for the education of theoretical astrophysicists. He is Director of the Erasmus Mundus IRAP PhD program (IRAP Ph D Erasmus Mundus) and has been Professor of Theoretical Physics at the University of Rome "Sapienza" from 1978 to 2012.



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For more information, please visit:

https://en.wikipedia.org/wiki/Remo_Ruffini

http://www.icranet.org/images/stories/PersonalPages/cv/cv_ruffini.pdf

TRAFFIC GUIDANCE

1) Pudong Airport to CAA

You can take a taxi at the airport and costs about 225 RBM. (about 70 minutes)

2) Hongqiao Airport to CAA

You can take a taxi at the airport and costs about 100 RMB. (about 1 hour)



3) From Huhua International hotel to CAA:

You can take a taxi from Huhua International Hotel to CAA. It costs about 15RMB(~20mins).



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