



ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

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Votre référence / Your reference

Notre référence / Our reference

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Dear Colleagues,

I am writing on behalf of Aurora Meroni, who is applying for a postdoctoral position at your Institute. Aurora is finishing his PhD at SISSA, but she came previously to Madrid during one academic year and she did her "laurea thesis" under my supervision.

We worked on neutrino propagation in supernovae, trying to understand in depth the coherence phenomena and also exploring some aspects of non-standard neutrino interactions in dense media. She worked very well and with great dedication. Her write-up is amazingly professional and is still used by other students of mine to learn about neutrino physics. I couldn't explore further her development as a researcher, as she moved to SISSA for her PhD. But I can say that she was a good and committed collaborator, a very serious scientist, and that by "teaching" her I learned a lot and it was very stimulating for me.

It is a pleasure to know that she has carried out very successfully her PhD degree under the supervision of Serguey Petcov. I appreciate specially the papers that she has published on neutrinoless double-beta decay, but will not comment more on her publication list, as her supervisor probably will and is in better position to do so. Aurora Meroni appears to be now an able young scientist, who has developed important expertise in phenomenology of neutrino physics, and seems capable of pushing the research effort in collaborations. I am very happy to support her application.

Yours sincerely,

Belén Gavela
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and Dept. de Física Teórica UAM and IFT