Groupement de Recherche

Deep Underground Physics

Director
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The Deep Underground Physics Research network (GDR), created in January 2021, aims to gather french research teams related to the physics of rare events in underground laboratories, at the experimental or theoretical level. The objective of this network is to encourage discussions within five working groups
gdr-duphy-wp1@ip2i.in2p3.fr Rare event physics
gdr-duphy-wp2@ip2i.in2p3.fr Low radioactivity techniques
gdr-duphy-wp3@ip2i.in2p3.fr Detection of rare events
gdr-duphy-wp4@ip2i.in2p3.fr Simulation & Analysis
gdr-duphy-wp5@ip2i.in2p3.fr Future experiment

To register to the GDR diffusion list
https://listserv.in2p3.fr/cgi-bin/wa?A0=GDRDUPHY-L

Deep Underground Physics

WP2: Low radioactivity techniques

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➢ Objectives of WP2 :

- Status of existing techniques to study and mitigate backgrounds : alpha, beta and gamma spectroscopy, ICPMS, NAA, Rn trapping …
- Availability of these techniques for the community in France and abroad : underground lab , Accelerators for activation, ICPMS companies or labs, …
- Make the information available to the community -> dedicated web site https://gdrduphy.in2p3.fr/
- Radiopurity Data base : participate to reactivate the radiopurity database https://www.radiopurity.org (hosted by SNOLAB, S.Scorza)
- Organize regular round tables on specific topics: radiopurity database, joint discussions with other WP (ex simulations, detectors,…), Radiopurity Data Base, discuss new techniques, …
- Youth training : training school dedicated to Low Radioactivity Techniques …

WP2 **Low radioactivity techniques**

https://gdrduphy.in2p3.fr/low-radioactivity-techniques/

- NAA round table : next zoom meeting scheduled for mid-january 2022
- ICPMS techniques round table will start in february

To join round table discussions send email to : duphy-wp2@ip2i.in2p3.fr