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INFLUENCE OF GEANT4 PHYSICS LISTS ON SIMULATION ACCURACY AND PERFORMANCE

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- RARE EVENT SEARCHES DEPENDS ON RELIABLE BACKGROUND SIMULATIONS WITH E.G. GEANT4
 - PHYSICS LIST MAY AFFECT THE OUTCOME OF SIMULATIONS
- STUDY IMPACT OF GEANT4'S ELECTROMAGNETIC MODELS AND PRODUCTION CUTS
- DIVERSE SET OF TEST CASES
 - TARGETS: BULKY AND THIN, CaWO_4 AND Ge
 - CONTAMINANTS: α AND β EMITTER AT HIGH AND LOW ENERGIES
- CONSIDERING CPU AND DISK SPACE CONSUMPTION