



Questionnaire results

Biasing

Survey: Biasing

- Which of the following statements is true?
 - A. Biasing can reproduce fluctuations and correlations. 1 (3.85%)
 - B. Using biasing does not require active reasoning and experience. 0 (0%)
 - C. Biasing can accelerate the convergence of the quantity of interest in all regions of the geometry. 16 (61.54%)
 - D. None of the above. 9 (34.62%)

- In region importance biasing in FLUKA, at the boundary between two regions with different importance...
 - A. ...the weight of a particle is reduced in case of splitting. 0 (0.00%)
 - B. ...the weight of a surviving particle is increased in case of Russian roulette. 1 (3.85%)
 - C. ...the allowed values of the ratio R of the importances of the two adjacent regions are $1/5 \leq R \leq 5$. 6 (23.08%)
 - D. ...all of the above are true. 19 (73.08%)

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- Which of the following statements on Mean Free Path biasing is false?
 - A. It allows to reduce the inelastic nuclear interaction length of hadrons by a factor λ . 4 (15.83%)
 - B. It allows to reduce the nuclear interaction length of photons and muons by a factor λ . 1 (3.85%)
 - C. It can not be applied to a specific material. 19 (73.08%)
 - D. Multiple cards may be used. 2 (7.69%)
- Which of the following is true when using BIASING cards?
 - A. Only one BIASING card is allowed in the input file. 1
 - B. Particle types can be selected in the BIASING card. 23
 - C. Region Importance Biasing is always applied when particles cross a boundary between zones. 3
 - D. Region Importance Biasing is applied when particles cross a boundary regions. 18

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- To activate Mean Free Path biasing, which "Type" should be selected in the LAM-BIAS card?
 - A. leave "Type" empty. 23 (88.46%)
 - B. GDECAY. 1 (3.85%)
 - C. DCY-DIRE. 1 (3.85%)
 - D. INEPRI. 1 (3.85%)

