

## **Modeling of gamma-avalanche formation in the "optical" thick medium with $^{178}\text{Hf}$ through the nuclear diffraction channel**

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### **Abstract**

The formation of  $\gamma$ -avalanche in the medium with  $^{178}\text{Hf}$  isotope has modeled through the nuclear diffraction channel. The equation system describing the process under two-wave Bragg diffraction conditions has obtained. The numerical simulation for the "optical" thick medium has been made.

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### **Keywords**

Borrmann effect, Bragg diffraction, Nuclear superfluorescence