**UNIVERSITY OF GAZİANTEP**

**DEPARTMENT OF ENGINEERING PHYSICS**

**EP 436 ENGİNEERİNG PHYSICS LABORATORY – II**

**Exp 6: Absorption of Beta particles and Gamma rays**

**Name-Surname:**

**Student ID:**

**Submission Date:**

**DATA SHEET**

**Table 1:** Experimental values of statistic of counting

|  |  |  |
| --- | --- | --- |
| **Absorber thickness (mg/cm2)** | **Counts per minute for Beta** | **Counts per minute for Gamma** |
| 0.020/49 | 255 | 84 |
| 0.030/73 | 250 | 81 |
| 0.062/151 | 243 | 79 |

**Calculations:**

* Draw counts per minute versus absorber thickness graph for beta and gamma source data given in Table 1.
* Give information about radiations absorbers and filter and using areas.
* What are the gamma interactions? Explain briefly.