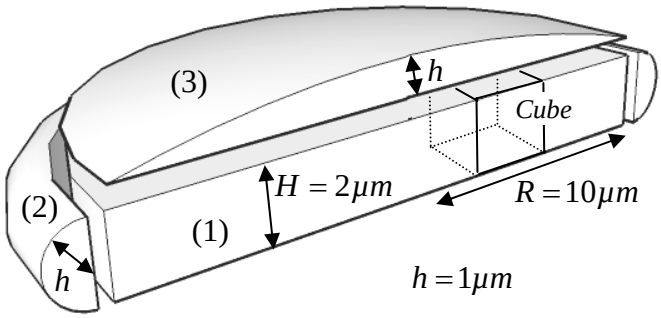
Figure S1




| | | |
|---|---|---|
| Cylinder (1) | 628 µm³ | “basement”: 727 µm³ |
| Toroid (2) | 99 µm³ | |
| Cone (3) | 128 µm³ | nucleus: **855 µm³** |

**Figure S1: Illustration of the Cube and the geometrical assumptions underlying the scaling factors.** The Cube is shown within a simplified geometrical model of a nucleus. Given dimensions were estimated based on the measurements of an average thickness (3 µm) and area (320 µm) of the analyzed nuclei. The volumes of the basement, the nucleus, the Cube and the CountCub allow for a calculation of the scaling factor for X-rays (85%; basement/nucleus) and LMI-induced foci numbers (67%; Cube/CountCub).