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ABSTRACT (See instructions overleaf)

A sequential Tandem system of plane parallel ionization chambers developed at IPEN was used to determine the radiation qualities of an X-rays system (300 kV) for instruments calibration purposes at radiotherapy level. The Tandem arrangement is formed by chambers with different energy dependences. The results were compared with those obtained through the conventional method of HVL determinations using thimble chambers and absorbers with different thicknesses.

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