

**Docket #:** S02-228

# **Method of Monitor unit (MU) calculation for intensity modulated photon field**

Researcher in Prof. Lei Xing's laboratory have developed an improved method for Monitor Unit ("MU") calculations in Intensity Modulated Radiation Therapy (IMRT). This approach provides a technique to use a multiple photon source model to compute head scatter and include the scatter contribution into IMRT point dose calculation. The algorithm can be used with related MU calculation technologies from the Xing lab (described in Stanford Dockets [S99-138](#) and [S00-170](#)).

## **Applications**

- IMRT - to provide a simple and efficient method for MU calculation for intensity modulated beams

## **Advantages**

- Improved accuracy - from including head scatter contribution

## **Innovators**

- Lei Xing
- Yong Yang

## **Licensing Contact**

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