

goals for workshop

(at summer school next week)

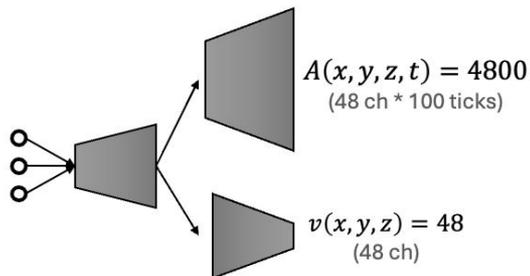
Adding timing information to SIREN Vis

Dataset from 2x2 MC LUT:

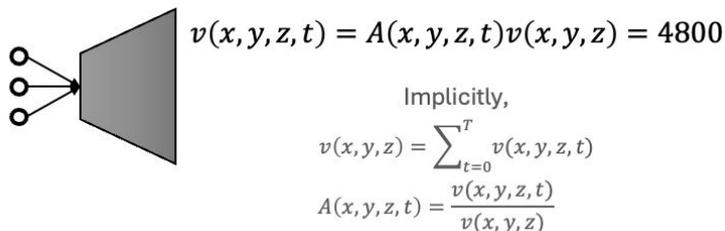
- Given position (x,y,z) , have visibility $v(x,y,z)$ and normalized PMT waveform $A(t)$ at 100 time ticks for each channel (48)

Several possible architectures:

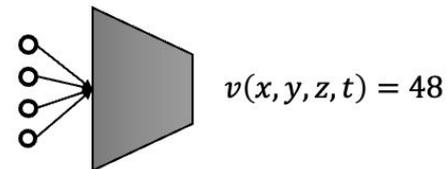
$(x,y,z) \rightarrow$ visibility & normalized waveform



$(x,y,z) \rightarrow$ visibility * normalized waveform



$(x,y,z,t) \rightarrow$ visibility at t



Future goals

- Do studies for each architecture for a quick baseline on each
 - Trained 1st arch, vis reconstruction good but poor timing) need finetune architecture
 - Trained 2nd arch, did quite well
 - Training 3rd arch as we speak
- Implement training on multiple photon libraries at once (i.e. multivis)

