

# Extremely Metal-poor Emission-line Galaxy (EMPG)

## Survey with Subaru/HSC

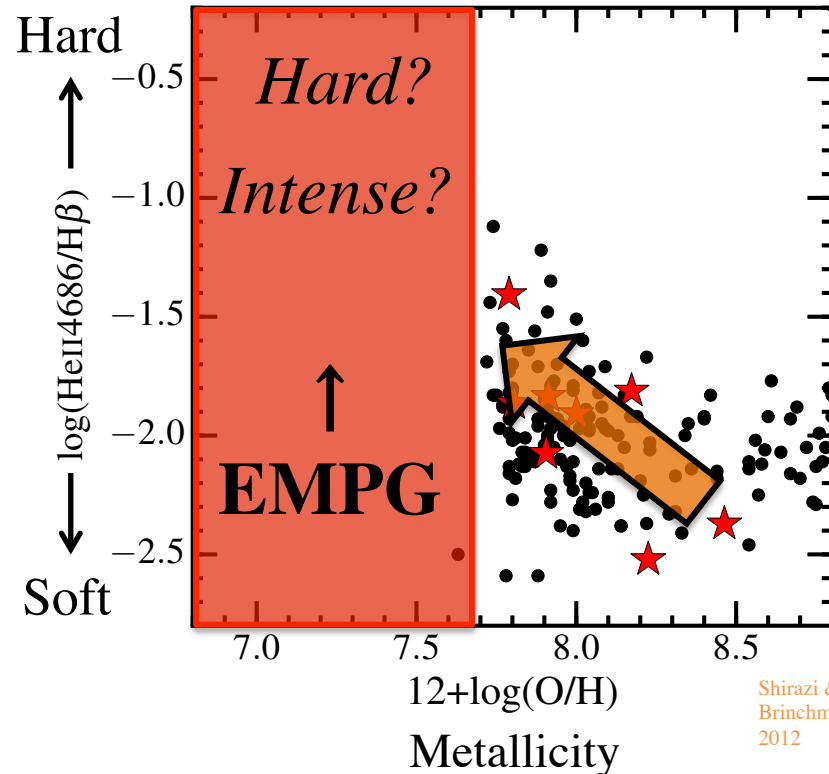
Takashi Kojima (Univ. of Tokyo) et. al

P33

EMPGs  $\rightarrow Z < 10\% Z_{\text{sun}}$ ,  $M_* < 10^6 M_{\text{sun}}$ , age  $< 100\text{Myr}$

*Q. Hard, intense ionizing radiation?*

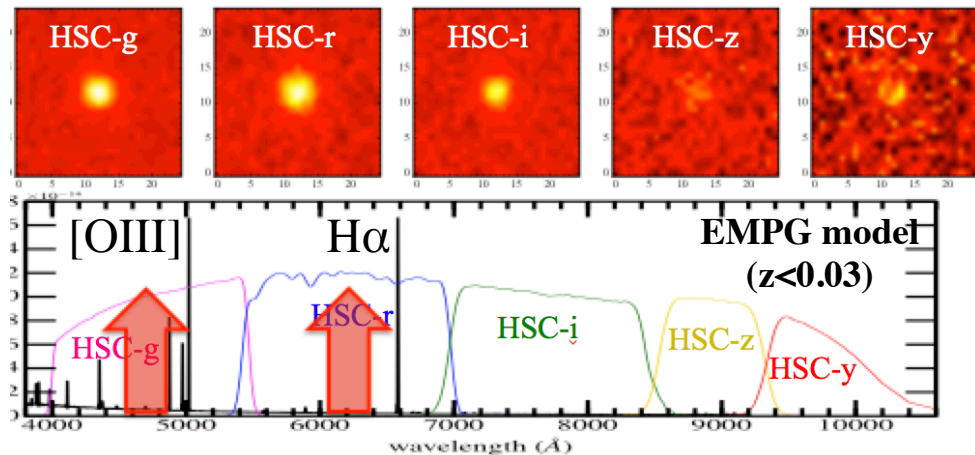
*< 10%*



HSC-SSP ( $\sim 100 \text{ deg}^2$ ) + Deep Learning

$\rightarrow \sim 10 \text{ candidates!!}$

example



Spectroscopy next week!!

