

# The AGN-starburst connection traced by the nitrogen abundance

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## The AGN-starburst connection of SDSS quasars

The Eddington ratio depends on the emission-line flux ratios involving *the nitrogen line*

→ The connection between the AGN activity and post starburst

Matsuoka et al. (2011)

Nitrogen-loud quasars

→ supporting the connection

**It is crucial to investigate the AGN-starburst connection of HSC-selected quasars (i.e., low-luminosity quasars).**

