1142-13-25   **Brent J Holmes*** (`brentholmes@ku.edu`). *A Generalized Serre Condition.*

Let R be a commutative Noetherian ring. A ring R satisfies Serre's condition (S_ℓ) if for all $\mathfrak{p} \in \mathrm{Spec}R$, $\mathrm{depth}R_{\mathfrak{p}} \geq \min\{\ell, \dim R_{\mathfrak{p}}\}$. Serre's condition has been a topic of expanding interest. In this talk, I will examine a generalization of Serre's condition (S_ℓ^j). A ring satisfies (S_ℓ^j) when $\mathrm{depth}R_{\mathfrak{p}} \geq \min\{\ell, \dim R_{\mathfrak{p}} - j\}$ for all $\mathfrak{p} \in \mathrm{Spec}R$. I will present generalizations of results for rings satisfying Serre's condition. (Received August 09, 2018)