We report measurements of strange hadron (V, cascade) spectra in U+U collisions at √sNN = 193 GeV in the STAR experiment at RHIC. These strange particles were reconstructed via decay topology using the Time Projection Chamber (TPC) detector of STAR. We investigated particle identification, characterization and transverse momentum spectra of single- and multi-strange hadrons. (uncorrected) Yield of the particles are extracted for the momenta up to 7 GeV/c.

**Colliding systems:** p+p, p+Al, Cu+Cu, p+Au, d+Au, He+Au, Cu+Au, Au+Au, U+U

**Magnetic field:** 0.5 T

**Center of mass energy:** √sNN = 7.7 to 200 GeV

**Analysis Technique**

<table>
<thead>
<tr>
<th>Dominant decay mode / B. R. (in %)</th>
<th>Mass (in MeV/c²)</th>
<th>Decay length (in cm)</th>
<th>Mean life time (in x10⁻¹⁰s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K⁺</td>
<td>497.614 ± 0.024</td>
<td>2.68</td>
<td>0.8954 ± 0.0004</td>
</tr>
<tr>
<td>Λ</td>
<td>1115.683 ± 0.006</td>
<td>7.89</td>
<td>2.632 ± 0.020</td>
</tr>
<tr>
<td>Λ</td>
<td>1321.71 ± 0.07</td>
<td>4.91</td>
<td>1.639 ± 0.015</td>
</tr>
<tr>
<td>Σ</td>
<td>1672.45 ± 0.29</td>
<td>2.46</td>
<td>0.821 ± 0.11</td>
</tr>
</tbody>
</table>

**Reference multiplicity:** Number of charged particles with lnλ < 0.5

η = \frac{1}{2} \left( \frac{p_{T}}{p_{T}} \right) - \ln \left[ \frac{1}{2} \right]

**Particle identification:**

Charged particles were identified via their ionization energy loss in the TPC gas.

N/λ = \frac{1}{R} \log \left( \frac{dE}{dx} / dE/dx_{ref} \right)

**Cascade topology:**

- The (uncorrected) spectra are measured in a wide momentum range.
- Centrality, energy and p_T-dependent efficiency and acceptance corrections will be applied to (uncorrected) spectra, allowing to estimate yield and thus particle ratios.

**Signal Extraction**

Invariant mass = \sqrt[3]{E^2 - p^2}

Background was estimated by rotating one of the daughter particles in the azimuthal space.