

$$\left\{ \iiint \left(\hat{\pi}_{ba}^+ \cdot S_{(1)}^{ab} \right) [x^0, x^1, x^2, x^3] dx^3 dx^2 dx^1, \iiint \left(\tau_c^\parallel \cdot S_{(2)}^c \right) [x^0, y^1, y^2, y^3] dy^3 dy^2 dy^1 \right\} \equiv$$

$$\left\{ -\frac{1}{2} \mathcal{A}_{bca'} h_a^{a'} - \frac{1}{3} \mathcal{A}_{ca'b'} \eta_{ab}^\parallel h^{a'b'} - \frac{1}{2} \mathcal{A}_{aca'} h_b^{a'} - \frac{(\mathcal{D}\mathcal{T})_c^\parallel \eta_{ab}^\parallel}{3\mathcal{T}} + \frac{(\mathcal{D}\mathcal{T})_b^\parallel \eta_{ac}^\parallel}{2\mathcal{T}} + \frac{(\mathcal{D}\mathcal{T})_a^\parallel \eta_{bc}^\parallel}{2\mathcal{T}} + \frac{1}{2} \mathcal{A}_{bcb'} h^{a'b'} n_a n_{a'} + \frac{1}{2} \mathcal{A}_{acb'} h^{a'b'} n_{a'} n_b - \right.$$

$$\frac{1}{2} \mathcal{A}_{cb'a'} h_b^{a'} n_a n^{b'} - \frac{1}{2} \mathcal{A}_{cb'a'} h_a^{a'} n_b n^{b'} + \frac{1}{2} (\mathcal{D}n)_{ab}^\parallel n_c + \frac{1}{2} (\mathcal{D}n)_{ba}^\parallel n_c - \frac{1}{3} (\mathcal{D}n)^{\parallel a'}_{a'} \eta_{ab}^\parallel n_c + \frac{1}{3} \mathcal{A}_{cc'b'} \eta_{ab}^\parallel h^{a'b'} n_{a'} n^{c'} +$$

$$\left. \mathcal{A}_{cc'b'} h^{a'b'} n_a n_{a'} n_b n^{c'}, 0, -\frac{1}{2} \eta_{bc}^\parallel h_a^u - \frac{1}{2} \eta_{ac}^\parallel h_b^u + \frac{1}{3} \eta_{ab}^\parallel h_c^u + \frac{1}{2} \eta_{bc}^\parallel h^{a'u} n_a n_{a'} + \frac{1}{2} \eta_{ac}^\parallel h^{a'u} n_{a'} n_b - \frac{1}{3} \eta_{ab}^\parallel h^{a'u} n_{a'} n_{c'}, 0 \right\}$$