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**On equivalence of deforming Lie subalgebroids and deforming coisotropic submanifolds. (English summary)**

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Deformations of Lie subalgebroids were studied in [X. Ji, J. Geom. Phys. **84** (2014), 8–29; MR3231711], while those of coisotropic submanifolds were discussed in [A. S. Cattaneo and G. Felder, Adv. Math. **208** (2007), no. 2, 521–548; MR2304327] and [F. Schätz and M. Zambon, Lett. Math. Phys. **103** (2013), no. 7, 777–791; MR3061506]. This paper considers the relationship between these two types of deformation under two pictures. The first picture is the correspondence

$$\text{a Lie subalgebroid } E \text{ of } A \mapsto \text{its annihilator } E^\perp \text{ in } A^*$$

under which the two deformations are equivalent (Theorem 4.3, Theorem 4.4 and Corollary 4.5). The second picture is the correspondence

$$\text{a coisotropic submanifold } S \mapsto \text{the Lie subalgebroid } N^*S \text{ of } T^*M$$

under which there may be deformations other than those of the form of a conormal bundle, though $\mathfrak{a}_S$ is isomorphic to an $L_\infty$-subalgebra of $\mathfrak{b}_{N^*S}$ (Theorem 3.5).

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*Note: This list reflects references listed in the original paper as accurately as possible with no attempt to correct errors.*